

PATENT

ATTORNEY DOCKET NO.: 41465-5041-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Junichi YOSHIO et al.

Application No.: To Be Assigned

Continuation of Application No.: 08/834,806

Continuation Application Filed: December 8, 2000

For: INFORMATION RECORD MEDIUM,
APPARATUS FOR RECORDING THE
SAME AND APPARATUS FOR
REPRODUCING THE SAME

09/73,653
Group Art Unit
in Patent Case: 2715

Examiner in
Parent Case: C. Onuaku

Commissioner for Patents
Washington, D.C. 20231

Sir:

AMENDMENT

Prior to initial examination, please amend the present application as follows:

IN THE CLAIMS:

Please cancel claim 1 without prejudice or disclaimer.

Please add new claims 13-23:

--13. An information record medium to be reproduced by an information reproducing apparatus, comprising:

object information divided into a plurality of first data groups, each of the first data groups including control information;

at least one second data group which comprises a plurality of said first data groups; and
management information including reproduction procedure information prescribing a reproduction procedure of the object information,

wherein said control information includes a plurality of operation prohibit informations, each indicating a prohibition or a permission of a predetermined operation by the reproducing apparatus in response to a user's operation, is recorded at one portion of a record track, except for the portion where the object information is recorded, and

the number of reproduction operation control functions that a viewer can cause to operate to change a state of reproduction after the reproduction of the recorded material has begun is controlled by manufacture-presets of the operation prohibit information.

14. The medium according to claim 13, wherein the plurality of first data groups contained in the at least one second data group are reproduced in accordance with the reproduction procedure information.

15. The medium according to claim 13, wherein one of the plurality of operation prohibit informations indicates a prohibition of search operation by the reproducing apparatus.

16. The apparatus according to claim 13, wherein the object information is video information.

17. An information recording apparatus for recording information on an information record medium, which is reproduced by an information reproducing apparatus, the information recording apparatus comprising:

object information generating means for generating object information to be recorded;

control information generating means for generating control information which includes a plurality of operation prohibit informations, each indicating a prohibition or a permission of a predetermined operation by the reproducing apparatus in response to a user's operation;

management information generating means for generating management information including reproduction procedure information prescribing a reproduction procedure of the object information; and

record means for recording the object information and the control information such that the object information and the control information form a plurality of first data groups, and for recording the control information at one portion of a record track except for the portion where the object information is recorded,

wherein the number of reproduction operation control functions that a viewer can cause to operate to change a state of reproduction once the reproduction of the recorded material has begun is controlled by manufacture-presets of the operation prohibit information.

18. The apparatus according to claim 17, wherein the plurality of the first data groups forms a plurality of second data groups, and wherein the management information is generated for each of the plurality of the second data groups.

19. The apparatus according to claim 17, wherein one of the plurality of operation prohibit informations indicates a prohibition or a permission of search operation by the reproducing apparatus.

20. The apparatus according to claim 17, wherein the object information is video information.

21. An information reproducing apparatus for reproducing information from an information record medium comprising:

object information divided into a plurality of first data groups each including control information;

at least one second data group which comprises a plurality of said first data groups; and
management information including reproduction procedure information prescribing a reproduction procedure of the object information,

wherein said control information includes a plurality of operation prohibit informations, each indicating a prohibition or a permission of a predetermined operation by the reproducing

apparatus in response to a user's operation, is recorded at one portion of a record track, except for the portion where the object information is recorded,

the apparatus comprising:

read means for reading information recorded on the record medium;

reproduction means for reproducing the information read by the read means;

instruction means for instructing the predetermined operation;

detection means for detecting the management information from the information read by the read means and recorded at the one portion except for the portion where the object information is recorded; and

control means for permitting the predetermined operation when the operation prohibit information indicates that the operation is permitted, and for prohibiting the predetermined operation when the operation prohibit information indicates that the operation is prohibited,

wherein the number of reproduction operation control functions that a viewer can cause to operate to change a state of reproduction once the reproduction of the recorded material has begun is controlled by manufacture-presets of the operation prohibit information.

22. The apparatus according to claim 21, wherein one of the plurality of the operation prohibit information indicates a prohibition or a permission of search operation by the reproducing apparatus.

23. The apparatus according to claim 21, wherein the object information is video information.--

REMARKS

Applicants hereby cancel claim 1 without prejudice or disclaimer and add new claims 13-23. Accordingly, claims 13-23 are presently pending for consideration. Applicants respectfully request consideration of this preliminary amendment upon initial examination of the present application.

Except for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-0310. This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR EXTENSION OF TIME** in accordance with 37 C.F.R. §1.136(a)(3).

Respectfully submitted,

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Dated: December 28, 2000

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